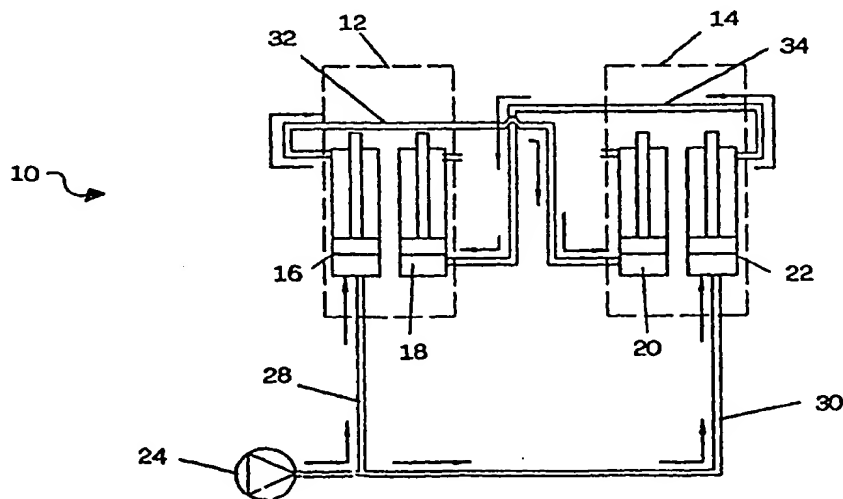




## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>7</sup> : <b>B66F 7/08</b>	<b>A1</b>	(11) International Publication Number: <b>WO 00/21871</b> (43) International Publication Date: 20 April 2000 (20.04.00)
<p>(21) International Application Number: PCT/IB99/01778</p> <p>(22) International Filing Date: 12 October 1999 (12.10.99)</p> <p>(30) Priority Data: MI98A002217 15 October 1998 (15.10.98) IT</p> <p>(71) Applicant (for all designated States except US): SNAP-ON TECHNOLOGIES, INC. [US/US]; 420 Barclay Boulevard, Lincolnshire, IL 60069 (US).</p> <p>(72) Inventor; and (75) Inventor/Applicant (for US only): GRANATA, Tebaldo [IT/IT]; Via Giovanni Pascoli 62, I-65010 Cappelle sul Tavo (IT).</p> <p>(74) Agent: NÖTH, Heinz; Arnulfstrasse 25, D-80335 München (DE).</p>		<p>(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p><b>Published</b> With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments. In English translation (filed in Italian).</p>

(54) Title: VOLUMETRIC OPERATING SYSTEM FOR VEHICLE LIFTS



## (57) Abstract

A description is provided of a volumetric operating system (10) for scissors-type vehicle lifts, comprising a plurality of cylinders (16, 18, 20, 22) for movement of the vehicle lifting runways (12, 14), of which the main cylinders (16, 22) receive the operating fluid directly from supply means (24, 28, 30), and the secondary cylinders (18, 20) receive the operating fluid from the outlet (32, 34) of a respective one of the main cylinders (16, 22), wherein with each runway (12, 14) there is associated at least one of the said main cylinders (16, 22), and at least one of the said secondary cylinders (18, 20). Preferably, the outlet of each main cylinder (16, 22) which is associated with one of the runways (12, 14) supplies a secondary cylinder (18, 20) which is associated with the other runway (12, 14).